

NTPC Limited
(A Government of India Enterprise)

Tender Enquiry No. 9900301259

Bill of Materials

Delivery Address: Lara STPP VILLAGE - CHHAPORA,PO/PS - PUS RAIGARH Chhattisgarh 496440 India					
(UOM Legends :- SET - SET , NO - Number)					
Item	Material Code	Description	UoM*	Total Quantity	Delivery Date
00010	M4850905173	SHAFT,1-00-111-28953&1,BHEL,ESP,F/ER	SET	120.000	30.09.2025
00020	M4850905181	SHAFT-1,1-00-111-28953&16,BHEL,ESP	NO	60.000	30.09.2025
00030	M4850905182	SHAFT-II-MID,3972MM,BHEL,ESP	NO	60.000	30.09.2025
00040	M4850905186	SHAFT-III-BOT,3767MM,BHEL,ESP	NO	60.000	30.09.2025
00050	M4850905184	SHAFT-I,50X4170MM,BHEL,ESP	NO	60.000	30.09.2025
00060	M4850905187	SHAFT-II,50X4000MM,BHEL,ESP	NO	60.000	30.09.2025
00070	M4850905188	SLV TUBE-1,2-75-416-01648&3,BHEL,ESP	NO	60.000	30.09.2025
00080	M4850110026	RING SET,94285007,BHEL	NO	120.000	30.09.2025
00090	M4850905189	INNER ARM,2-75-416-01648&5,BHEL,ESP	NO	960.000	30.09.2025
00100	M4850905190	OUTER ARM,2-75-416-01648&6,BHEL,ESP	NO	960.000	30.09.2025
00110	M4850905191	COUPLING,1-79-026-00524&2,BHEL,ESP	NO	60.000	30.09.2025
00120	M4850905192	CLUTCH,1-79-026-00524&3,BHEL,ESP	NO	60.000	30.09.2025
00130	M4850905196	SHAFT END,2-79-725-05534&1,BHEL,ESP	NO	120.000	30.09.2025
00140	M4850905198	SHAFT,LG:4790MM,BHEL,ESP	NO	60.000	30.09.2025
00150	M4850905199	SHAFT,LG:3850MM,BHEL,ESP	NO	60.000	30.09.2025
00160	M4850905201	SHAFT,LG:4250MM,BHEL,ESP	NO	60.000	30.09.2025
00170	M4850905206	BRG&HSG,1-79-017-00579&4,BHEL,ESP	NO	60.000	30.09.2025
00180	M4770057027	BUSH,1-79-017-00579 REV +,BHEL	NO	60.000	30.09.2025
00190	M4850905209	STUD,1-79-017-00579&21,M12X40,BHEL,ESP	NO	240.000	30.09.2025
00200	M4850905217	RAPPING HAMMER,1-00-111-28955&25,BHEL	NO	540.000	30.09.2025
00210	M4474256013	SHAFT COUPLING,17901700579,BHEL	NO	240.000	30.09.2025

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TECHNICAL DATA SHEET

00010 - M4850905173
Specification
ESP,OEM / PARTS
PART NAME : COMPLETE SHAFT
DRAWING & POSITION NUMBER : 1-00-111-28953 & 1
EQUIPMENT MANUFACTURER : BHEL
EQUIPMENT NAME : ESP
ADDITIONAL INFORMATION : FOR EMITTING RAPPING

00020 - M4850905181
Specification
ESP,OEM / PARTS
PART NAME : SHAFT-1
DRAWING & POSITION NUMBER : 1-00-111-28953 & 16
EQUIPMENT MANUFACTURER : BHEL
EQUIPMENT NAME : ESP

00030 - M4850905182
Specification
ESP,OEM / PARTS
PART NAME : SHAFT-II MIDDLE
DRAWING & POSITION NUMBER : 1-00-111-28953 & 17
DIMENSION : 3972 MM
EQUIPMENT MANUFACTURER : BHEL
EQUIPMENT NAME : ESP

00040 - M4850905186
Specification
ESP,OEM / PARTS
PART NAME : SHAFT-III BOTTOM
DRAWING & POSITION NUMBER : 1-00-111-28953 & 18
DIMENSION : 3767 MM
EQUIPMENT MANUFACTURER : BHEL
EQUIPMENT NAME : ESP

00050 - M4850905184
Specification
ESP,OEM / PARTS
PART NAME : SHAFT-I
DRAWING & POSITION NUMBER : 2-75-416-01648 & 1
DIMENSION : DIA 50 X LG 4170 MM
EQUIPMENT MANUFACTURER : BHEL
EQUIPMENT NAME : ESP

00060 - M4850905187
Specification
ESP,OEM / PARTS
PART NAME : SHAFT-II
DRAWING & POSITION NUMBER : 2-75-416-01648 & 2
DIMENSION : DIA 50 X LG 4000 MM
EQUIPMENT MANUFACTURER : BHEL
EQUIPMENT NAME : ESP

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00070 - M4850905188

Specification

ESP,OEM / PARTS

PART NAME : SLEEVE TUBE-1

DRAWING & POSITION NUMBER : 2-75-416-01648 & 3

EQUIPMENT MANUFACTURER : BHEL

EQUIPMENT NAME : ESP

00080 - M4850110026

Specification

"ESP,OEM / PARTS

PART NAME :RING SET

PART NUMBER :94285007

DRAWING & POSITION NUMBER :2-79-816-05960

EQUIPMENT MANUFACTURER :BHEL

FOR RAPPING MECHANISM,BHEL DRAWING NUMBER:6172-0038"

00090 - M4850905189

Specification

ESP,OEM / PARTS

PART NAME : INNER ARM

DRAWING & POSITION NUMBER : 2-75-416-01648 & 5

EQUIPMENT MANUFACTURER : BHEL

EQUIPMENT NAME : ESP

00100 - M4850905190

Specification

ESP,OEM / PARTS

PART NAME : OUTER ARM

DRAWING & POSITION NUMBER : 2-75-416-01648 & 6

EQUIPMENT MANUFACTURER : BHEL

EQUIPMENT NAME : ESP

00110 - M4850905191

Specification

ESP,OEM / PARTS

PART NAME : COUPLING

DRAWING & POSITION NUMBER : 1-79-026-00524 & 2

EQUIPMENT MANUFACTURER : BHEL

EQUIPMENT NAME : ESP

FINISHED BORE WITH KEY WAY COUPLING WITH ID - 100 MM.

FOR DRIVE ARRGT FOR COLLECTING ELECTRODE RAPPING MECH.

00120 - M4850905192

Specification

ESP,OEM / PARTS

PART NAME : CLUTCH

DRAWING & POSITION NUMBER : 1-79-026-00524 & 3

EQUIPMENT MANUFACTURER : BHEL

EQUIPMENT NAME : ESP

00130 - M4850905196

Specification

ESP,OEM / PARTS

PART NAME : SHAFT END

DRAWING & POSITION NUMBER : 2-79-725-05534 & 1

EQUIPMENT MANUFACTURER : BHEL

Tender Enquiry No. 9900301259

EQUIPMENT NAME : ESP

00140 - M4850905198

Specification

ESP,OEM / PARTS

PART NAME : SHAFT

DRAWING & POSITION NUMBER : 2-79-725-05534 & 2

DIMENSION : LENGTH:4790 MM

EQUIPMENT MANUFACTURER : BHEL

EQUIPMENT NAME : ESP

00150 - M4850905199

Specification

ESP,OEM / PARTS

PART NAME : SHAFT

DRAWING & POSITION NUMBER : 2-79-725-05534 & 3

DIMENSION : LENGTH:3850 MM

EQUIPMENT MANUFACTURER : BHEL

EQUIPMENT NAME : ESP

00160 - M4850905201

Specification

ESP,OEM / PARTS

PART NAME : SHAFT

DRAWING & POSITION NUMBER : 2-79-725-05534 & 4

DIMENSION : LENGTH:4250 MM

EQUIPMENT MANUFACTURER : BHEL

EQUIPMENT NAME : ESP

00170 - M4850905206

Specification

ESP,OEM / PARTS

PART NAME : BEARING AND HOUSING

DRAWING & POSITION NUMBER : 1-79-017-00579 & 4

EQUIPMENT MANUFACTURER : BHEL

EQUIPMENT NAME : ESP

00180 - M4770057027

Specification

"BOILER,OEM / PARTS

PART NAME :BUSH

DRAWING & POSITION NUMBER :1-79-017-00579 REV 01

EQUIPMENT MANUFACTURER :BHEL

FOR RAPPING MECHANISM DRIVE ARRANGEMENT"

00190 - M4850905209

Specification

ESP,OEM / PARTS

PART NAME : STUD

DRAWING & POSITION NUMBER : 1-79-017-00579 & 21

DIMENSION : M12 X 40

EQUIPMENT MANUFACTURER : BHEL

EQUIPMENT NAME : ESP

00200 - M4850905217

Specification

ESP,OEM / PARTS

NTPC Limited

(A Government of India Enterprise)

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PART NAME	: NEW RAPPING HAMMER
DRAWING & POSITION NUMBER	: 1-00-111-28955 & 25
EQUIPMENT MANUFACTURER	: BHEL
EQUIPMENT NAME	: ESP

00210 - M4474256013

Specification

"BOILER,OEM / PARTS

PART NAME	:BOTTOM EERM SHAFT COUPLING
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DRAWING & POSITION NUMBER	:17901700579
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EQUIPMENT MANUFACTURER	:BHEL
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SUB ASSEMBLY	:ELECTROSTATIC PRECIPITATOR
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FOR RAPPING MECHANISM (EMITTER),UNIT MODEL NUMBER:FAA-9X45M2-80145-2"

Joint Agreement dated 11.06.2021 between NTPC & BHEL on Standard Terms & Conditions applicable for the POs awarded through tendering on Single Tender OEM / OES basis for Supply of Spares.

- (1) Both NTPC & BHEL agreed to the following Standard Terms & Conditions for the POs to be awarded on BHEL for Supply of Spares through tendering on Single Tender OEM / OES basis.
- (2) NTPC shall issue the POs for supply of Spares, awarded through tendering on Single Tender OEM / OES basis. Following Standard Terms & Conditions along with NTPC GPC shall form part of such Purchase Orders.
- (3) Following Standard Terms & Conditions are applicable for the POs issued by any of NTPC Stations / Projects / SSCs / Unified SSC on any of BHEL Manufacturing Units for Supply of Spares.
- (4) JVs / Subsidiaries of NTPC may also adopt following Standard Terms and Conditions as per their Systems and Procedures.
- (5) This Joint Agreement is effective from the date of signing. Modifications to standard terms & conditions, if any, shall be done after mutual discussion & agreement between NTPC & BHEL.
- (6) Standard Terms & Conditions are as under:

Sr. No	Terms & Conditions	
1	Payment Terms	<p>(A) For Purchase orders having value up to 50 lakh: NTPC will make 100 % payment within 15 days of receipt and acceptance of material at site. No advance is payable for order value up to INR 50 lacs.</p> <p>(B) For Purchase orders having value more than 50 lakh: Advance: 10% of order value as advance shall be payable. BHEL shall submit the proforma invoice for such advance with in seven (7) days of PO date and NTPC will release the advance within 30 days from the date of invoice.</p> <p>Final Payment: Balance 90 % payment shall be payable within 15 days of receipt and acceptance of material at site after adjustment of advance.</p>

Sr. No	Terms & Conditions	
		<p>NTPC may issue tenders having consolidated / clubbed requirements of various stations. However, POs will be placed separately for each station under the consolidated / clubbed tender.</p> <p>Accordingly, the value of PO placed for a specific station will be considered for the purpose of payment terms as defined above.</p>
2	Advance recovery mechanism	<p>10% advance paid against proforma invoice, shall be recovered from each supply invoice on pro-rata basis.</p> <p>In case supplies are not made up to the scheduled date as mentioned in PO, NTPC reserves the right to adjust the outstanding advance from the next immediate invoice of the same manufacturing unit of BHEL against any PO. In case, no invoice is received from the same manufacturing unit of BHEL with in three (03) months from the scheduled date of supply as per PO, NTPC reserves the right to adjust the outstanding advance from any other payment due to BHEL.</p>
3	Price	<p>The Price shall be Firm and on Ex-works basis and F&I shall be quoted separately. Price is exclusive of GST or any other applicable taxes & duties. Taxes& duties shall be payable / recoverable extra as per Cl. 5 and Cl. 6 below.</p>
4	Bank Charges	<p>The respective bank charges are to be borne individually, to the respective accounts.</p>
5	GST	<p>GST shall be paid extra as applicable at the time of dispatch as per original / agreed extended delivery schedule.</p>
6	TCS / TDS	<p>A) In respect of payment made up to 30 June 2021:</p> <p>TCS shall be payable extra as per invoice, at the time of receipt of sale consideration as applicable.</p> <p>Subsequent to the payment, BHEL shall issue TCS certificate to NTPC.</p> <p>Present rate: Rate of TCS is 0.1% of the sale consideration exceeding fifty lakh rupees</p> <p>Pan no: - to be provided by NTPC station</p> <p>Invoice: Sales invoice shall be prepared for value of sales consideration after taking into account sale return, discount and GST.</p>



Sr. No	Terms & Conditions	
		<p>B) In respect of amounts paid /Payable on or after 1st July 2021:</p> <ul style="list-style-type: none"> The tax shall be deducted under Section 194Q by a buyer carrying on a business whose total sales, gross receipts or turnover from the business exceeds Rs. 10 crores during the financial year immediately preceding the financial year in which such goods are purchased. NO TCS is applicable
7	Any other Taxes & duties applicable from time to time	Shall be paid extra as applicable as per the clause 38 (Change in laws and regulations) of GPC.
8	Inspection	<p>For the purpose of procurement of spares from BHEL through Rate Contracts / through tendering (ST OEM / OES basis), a list of items requiring NTPC inspection shall be mutually discussed and finalised. Such items shall be classified as Cat-I items and same will be dispatched along with MDCC issued by NTPC.</p> <p>Cat-I items are critical items mutually agreed, where PDI shall be carried by NTPC RIO as per the approved quality plans.</p> <p>Items which are not covered under Cat-I shall be considered as Cat-II items. For Cat-II items inspection shall be carried by BHEL as per BHEL's standard Quality Plan / Procedures. In case of BOI items, materials shall be inspected by third party agency of BHEL/BHEL officials as per BHEL's internal QP & procedure. Based on above, BHEL shall provide Certificate of confirmation (COC) along with the dispatch documents. Material shall be inspected at NTPC stores/plant and inspection will be completed within a week from the date of receipt of material. NTPC will accept the material based on BHEL's COC and MDCC is not required.</p>
9	Quality Plan/MDCC	<p>For the purpose of Rate Contracts or Supply of Spares (through tendering), Items under Cat-I and its Standard Quality Plan shall be mutually discussed and finalised.</p> <p>Items under Cat-I shall be inspected by NTPC as per approved quality plan. Material shall be dispatched after the issue of MDCC.</p>

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Sr. No	Terms & Conditions	
10	Freight	<p>Transportation of material is in BHEL's Scope.</p> <p>The materials shall be dispatched from BHEL Manufacturing Units by Road on "FREIGHT PAID" basis through BHEL approved Transporters.</p> <p>Provision for RC: BHEL shall quote Freight charges separately. Freight charges shall be mutually discussed and finalised during the finalisation of Rate Contracts for different products with respect to BHEL Manufacturing Units.</p> <p>Provision w.r.t tendering on Single Tender OEM / OES cases: For the items not covered in RC, BHEL shall quote the prices inclusive of Freight during the tendering with price break-up for the same must be provided for.</p>
11	Transit Insurance	<p>Transit insurance is in BHEL's Scope.</p> <p>BHEL shall take transit insurance with beneficiary as "NTPC". All the activities related to transit insurance including insurance claim, if any, are in BHEL's scope and account.</p> <p>Provision for RC: BHEL shall quote Insurance charges separately. Insurance charges shall be mutually discussed and finalised during the finalisation of Rate Contracts for different products with respect to BHEL Manufacturing Units.</p> <p>Provision w.r.t tendering on Single Tender OEM / OES cases: For the items not covered in RC, BHEL shall quote the prices inclusive of Insurance during the tendering.</p>
12	Packing & Forwarding	To BHEL's scope and account.
13	Delivery Period	<p>Delivery schedule shall be mutually agreed for all the items during the finalisation of Rate Contracts with BHEL Manufacturing Units / during the tendering for the items not covered in RC.</p> <p>The start date shall be computed fifteen (15) days from the date of issue of purchase order.</p>



Sr. No	Terms & Conditions	
14	Warranty	BHEL shall stand for warranty for 12 months from the date of commissioning or 18 months from the date of dispatch, whichever is earlier. Separate Guarantee certificate not required to submit along with invoice.
15	Limitation of liability	As per NTPC General Purchase Conditions
16	Interchangeability Certificate	BHEL shall stand for interchangeability of the items with the existing components and for fitment into existing equipment without any mismatch. Separate interchangeability certificate not required to submit along with invoice.
17	Liquidated Damages	The timely delivery of the material is the essence of the contract. In the event of Supplier's failure to deliver the material of acceptable quality within the stipulated delivery period, the liquidated damages are payable @ 0.5% (one half of one percent) per week of delay or part thereof, of the unexecuted order value. However, the total liability under this clause shall not exceed 5% of the Order value as awarded.
18	Security Deposit	Not applicable.
19	Performance/ Advance Bank Guarantee	<p>Performance / Advance Bank Guarantee are not applicable.</p> <p>Only for the new product / system ordered on BHEL, BHEL shall furnish the Contract Performance Guarantee (CPG) for an amount equal to 10% of total order value. CPG should be valid for a period of three months (3 months) beyond the expiry of warranty period.</p> <p>The CPG should be submitted within 30 days of placement of award.</p>
20	Standard Quality Procedures	All materials shall be manufactured as per BHEL standard manufacturing practices with standard BHEL Quality Procedures. BHEL may also refer points 8 & 9 above in this regard.

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Sr. No	Terms & Conditions	
21	Suspension and Termination of contract	As per NTPC General Purchase Conditions
22	Force Majeure	As per NTPC General Purchase Conditions
23	Governing Laws	As per NTPC General Purchase Conditions
24	Arbitration	For dispute resolution, with a Public Sector Enterprise, Government departments, same shall be resolved amicably by mutual consultation or through the good offices or empowered agencies of the Government. If such resolution is not possible, then the unresolved disputes or differences shall be referred by either party for resolution through Administrative Mechanism for Resolution of CPSES Disputes (AMRCD) as mentioned in DPE OM No. 4(1)/2013-DPE (GM)/FTS-1835 dated 22-05-2018.
25	Scope & Exclusions	During the finalisation of Rate Contract (BHEL unit wise), Scope & exclusions shall be detailed, where ever required.
26	Other Terms & Conditions	For terms & conditions not explicitly mentioned here, the conditions in the NTPC General Purchase conditions shall apply.

**P SUBBA
RAJU**

(P. Subbaraju)
AGM (CPC)

(on behalf of NTPC)

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(Rajesh Kumar Singh)
AGM (Planning), BHEL-SSBG

(on behalf of BHEL)